IN THE SPECIFICATION:

Please amend the paragraph beginning on page 2, line 24, through page 3, line 18 as follows:

Accordingly, the present invention is a method of determining a switch sequence plan for an electrical system. The method includes the steps of identifying switches for the electrical system and organizing the identified switches within a switch group by defining a ~~sequential~~ coincident group of switches to be closed together or a ~~coincident~~ sequential group of switches to be closed one at a time and by defining a duration of time the switches should be closed. The method also includes the steps of organizing the switch group in a data tree structure for the switch sequence plan and traversing the data tree structure recursively to calculate opening and closing times for the switches within the switch sequence plan. The method further includes the steps of generating a simulation command for setting a position sequence of the switches from the opening and closing times for the switch sequence plan and using the commands within the switch sequence plan to operatively control the switches in a simulation of the electrical system.